

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
CONCRETE SURFACE SEALERS

C&T:DEB

1 of 2

C&T:APPR:GJB:LMR:01-25-02

a. Description. This specification covers requirements for and application of acrylic based concrete sealers to be used for coating concrete structures, including but not limited to barriers, fascias, cheekwalls, piers and substructure locations as specified on the plans. The Standard Specifications shall apply except as modified herein.

b. Materials. The acrylic based concrete sealer shall be from the following sources:

<u>Company</u>	<u>Product</u>
Sika Corporation	Elastocolor and Sikagard 550W Elastic
Polycarb, Inc.	Mark 87 with Mark 87 Primer
ThoRoc	Weatherguard System with Primer
Proko Industries, Inc.	FlexCrete 500
Sonneborn	Super Color Coat
Tamms Industries	Tammolastic
Axson Akemi	C.C.60.0
Carboline Company	Carbocrylic 600
LanGuard	HC-301 with Primer
ICI Dulux Paints	Decra-Flex 2260-XXXX
Strongwall Industries, Inc.	Strongcote SC-111
Thoro	Thorocoat and Thorolastic
ChemMasters	Colorcoat
ChemMasters	Colorlastic

The concrete sealer shall be a smooth textured, light concrete gray color, or other color as approved by the Engineer. The use of more than one of the above products per structure is not permitted.

c. Construction Methods. Surface preparation (including crack filling if required) and application shall be according to manufacturer's recommendations, except as modified by this specification.

- 1. Surface Preparation.** All concrete to be sealed must be at least 28 days old. All surfaces to receive the concrete sealer shall be dry and free from contamination such as oil, grease, latence, and curing compounds. Water blasting or abrasive blasting (followed by oil-free compressed air cleaning) is required.
- 2. Application.** Application shall be according to manufacturer's recommendations. Use and application of a primer as listed shall also be according to the manufacturer's recommendations. Two coats of sealer are required. Each coat shall be applied to provide the minimum wet film thickness as recommended by the manufacturer.

d. Measurement and Payment.**Contract Item (Pay Item)****Pay Unit**

Concrete Surface Sealer Square Yard

Payment for **Concrete Surface Sealer** includes all labor, equipment, and materials to prepare the substrate concrete surface and apply the primer (if required) and two top coats of sealer according to this specification. Measurement of **Concrete Surface Sealer** will be based on plan quantity plus or minus known agreed to changes. No compensation will be made to the Contractor for surplus materials.